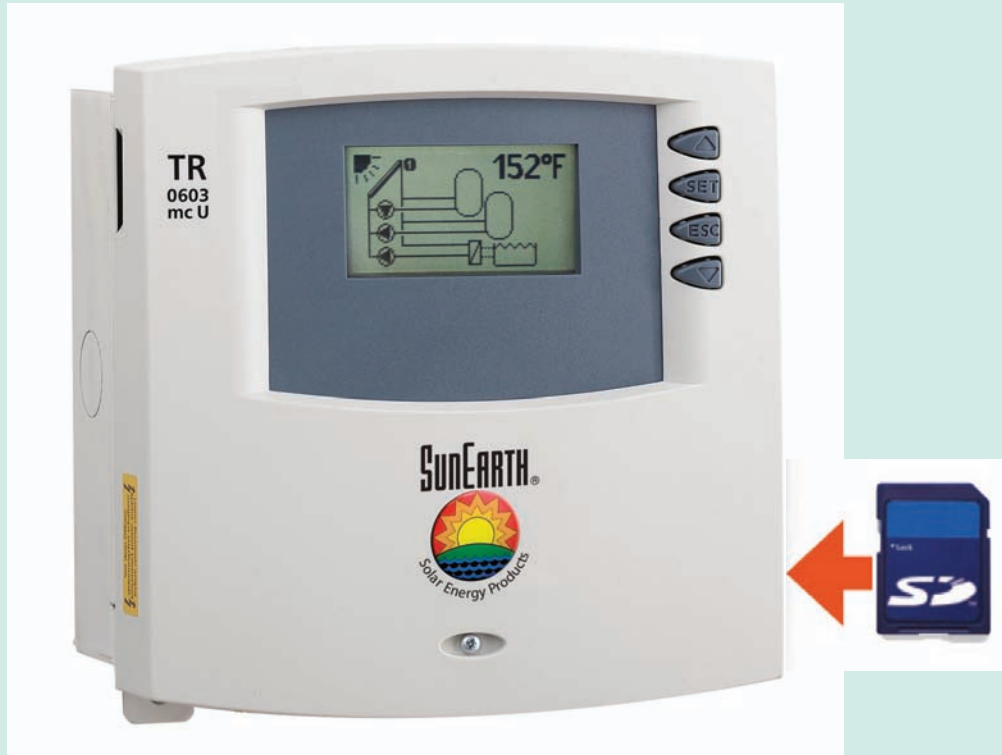




SUNEARTH INC.

DIFFERENTIAL TEMPERATURE CONTROL

SIMPLE • RELIABLE • VERSATILE



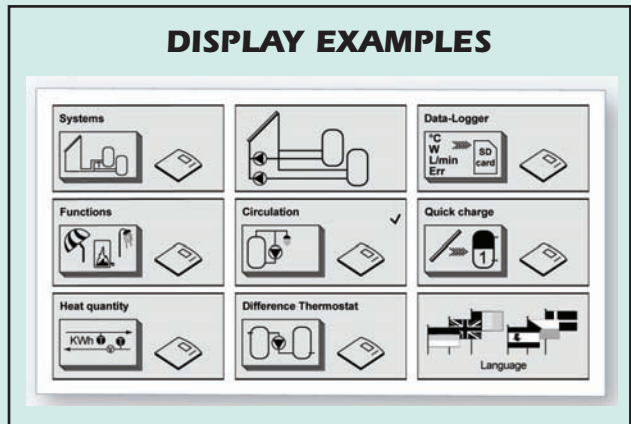
SUNEARTH MODEL SETR 0603 mc U SOLAR WATER HEATING SYSTEM CONTROL

FEATURES:

- **Animated LCD display with backlight**
- **Heating return increase**
- **Thermostat and differential thermostat function**
- **Timer and holiday (storage recool) functions**
- **Heat meter (impulse generator / Direct Sensor)**
- **Circulation function**
- **Back-up heating function measured in kwh/BTU**
- **Solid fuel boiler back-up heating**
- **Tube collector function**
- **Anti-freeze function**
- **Interval function**
- **Rapid storage tank loading**
- **Reduction of system stagnation phases**
- **Anti-legionella function**
- **Fault diagnosis and fault reporting output**
- **Bypass switching**
- **Data logging on SD card**
- **Seasonal systems (loading of pool / storage tank according to the time of the year)**
- **Multi-language menu navigation**



DISPLAY EXAMPLES



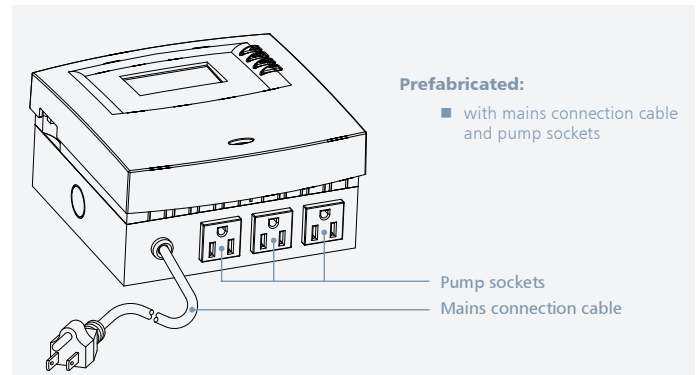
PROTECTING OUR ENVIRONMENT—SINCE 1978

The SunEarth SETR 0603mc U solar thermal controller combines the features of the already successful SETR 0502 and SETR 0603 temperature differential controllers. Controller is designed for the North American market. As a further highlight, the SETR 0603mc U stores the system's operational data on an SD memory card, which can be used for data evaluation purposes. The 40-programmed systems and numerous additional functions allow universal use of the controller. The large display panel shows the animated control circuits, which allow you to view the operating conditions of each system. The SETR 0603mc U has 6 inputs for recording temperature or pulse values, as well as an additional "Direct Sensor" input for combined temperature and flow rate measurement. Pumps and switching valves are controlled by 3 outputs, some of which can be RPM controlled.

Data logging on SD card

The SETR 0603mc U stores the solar thermal system's operational data on an SD card. This can be used for evaluation purposes.

Temperature Differential Controller TR 0603mc	
Operating voltage	120 VAC, 60 Hz [optional 240 VAC, 60 Hz]
Max. own consumption	≤ 4 W
Inputs	6 5 x temperature recording (Pt1000), 1 x temperature recording or pulse
Additional input	1 x "Direct Sensor" (temperature/flow rate)
Outputs	3 1 x relay switched output, max. 0.5 HP (120 V~) 2 x triac output for speed control, max. 0.15 HP (120 V~)
Additional output	1 x (fault reporting output)
Line cord	7', 18 AWG rated at 221 °F
Number of pre-defined hydraulic schemes	28
Interfaces	SD card, RS232
Data logging	SD card
Permitted ambient temperature	32 °F ... +113 °F (0 °C ... +45 °C)
Display	animated graphic LCD with backlighting
Protection class	IP 20/DIN 40050





Manufactured for SunEarth Inc. by



A World Leader in Solar Electronics. Steca GmbH, Memmingen, Germany. www.stecasolar.com

Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.

<p>DISTRIBUTED BY:</p>  <p>SUN EARTH inc. 8425 Almeria Ave. • Fontana, CA 92335 Tel: (909) 434-3100 • Fax (909) 434-3101 www.sunearthinc.com</p>	<p>AVAILABLE FROM:</p> <div style="text-align: right;">  SOY BASED INK SERVICE PROTECT® </div>
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